

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#3  
8-29-01  
ORS  
Pr-A

Applicant: Alain Lebrun, et al.

Serial No.: N/A

Filed: Herewith

Title: PROCESS AND DEVICE FOR DISCRIMINATING NUCLEAR FUELS

Docket No.: 33774

PRELIMINARY AMENDMENT "A"

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir/Madam:

Please amend the above-identified application, prior to examination thereof, in the following manner.

IN THE CLAIMS:

Please cancel claims 1-6 without prejudice.

Please add new claims 7-12 as follows:

- A1
- 1 ~~7. (new) Process for discriminating nuclear fuels from their composition, whereby~~
  - 2 ~~two types of radiation emitted by the fuel are measured, deducing the level of burn-up~~
  - 3 ~~(TC) of the fuel from the measured value (n) of one of the types of radiation, assuming~~
  - 4 ~~that the fuel has a defined composition, estimating an emission value for the other type~~
  - 5 ~~of radiation as a function of the assumed composition and the level of deduced burn-up~~
  - 6 ~~of the fuel, comparing this estimated emission value with the measured value ( $\gamma$ ) of the~~
  - 7 ~~other type of radiation, and concluding that the assumed composition of the fuel is the~~
- B

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